

Fig. 1

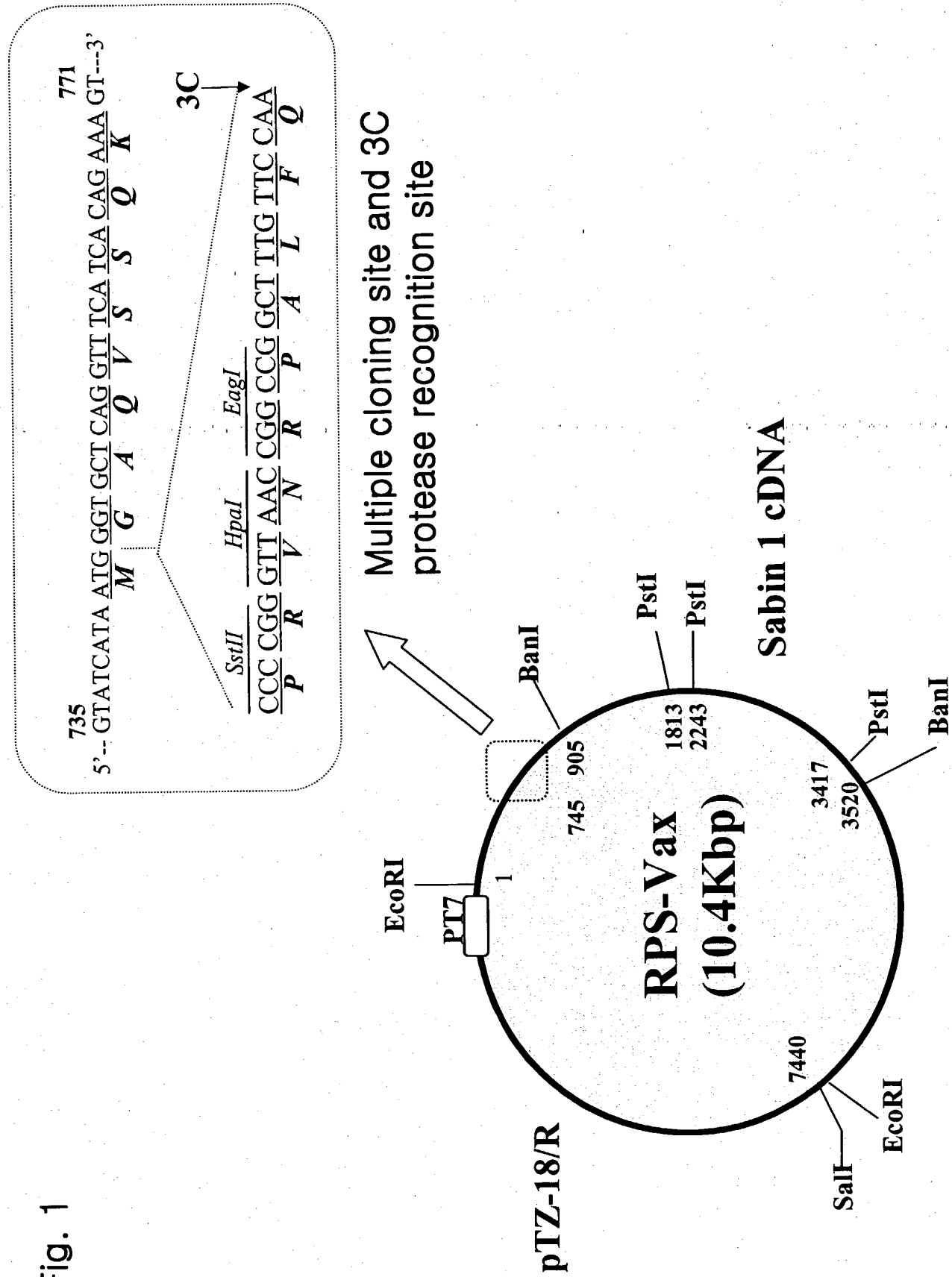


Fig. 2

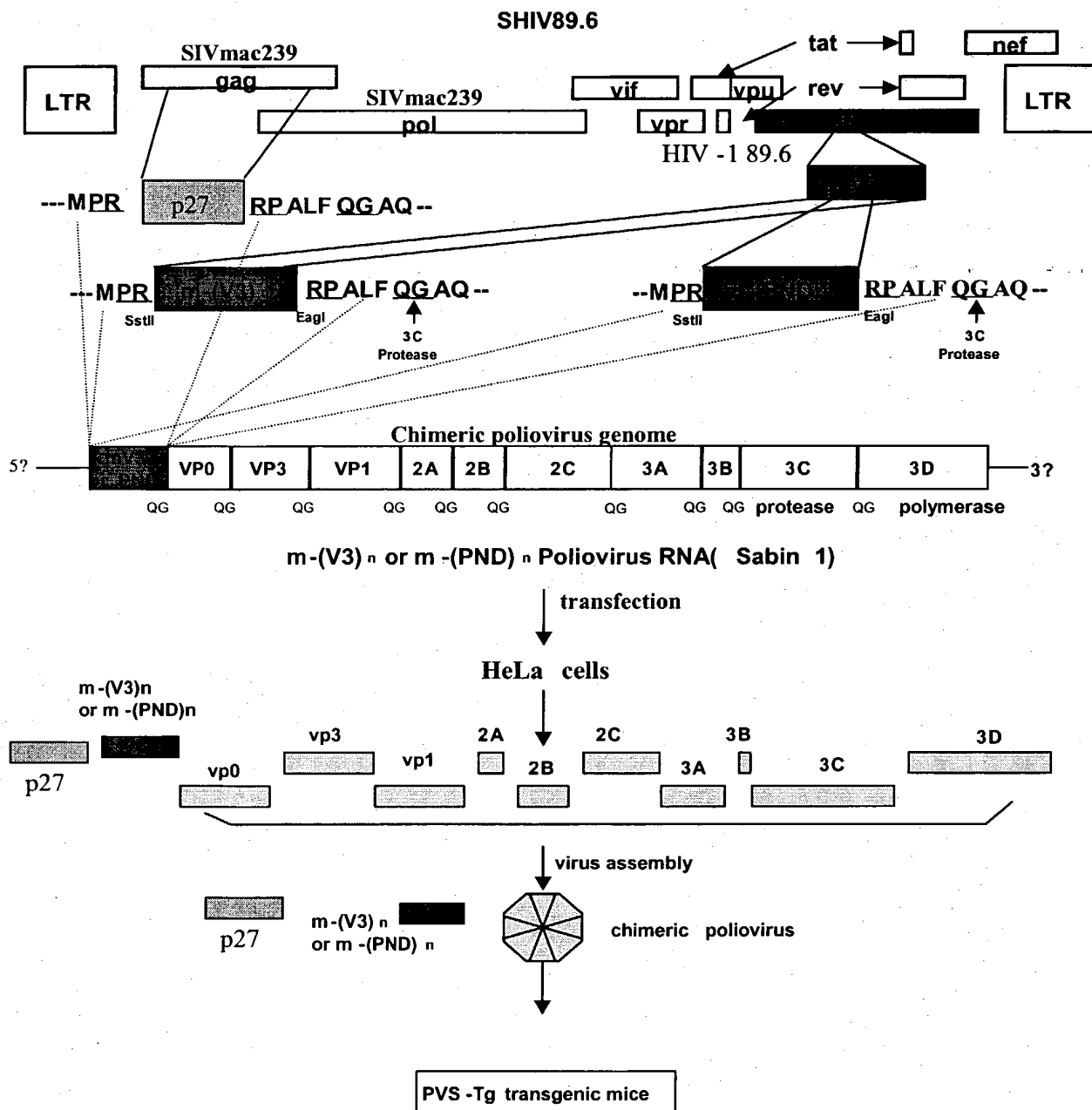


Fig. 3a

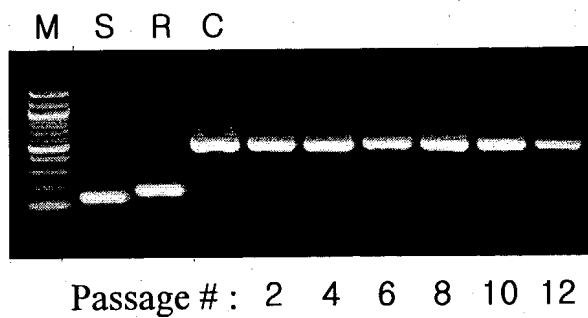


Fig. 3b

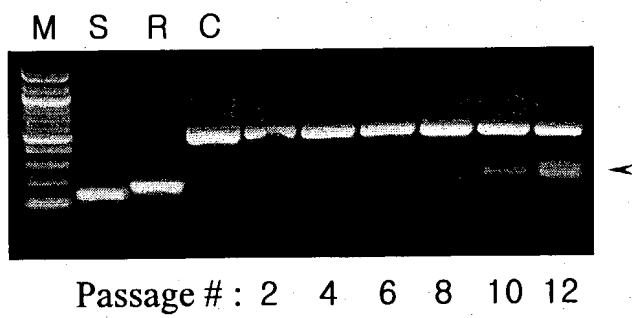


Fig. 3c

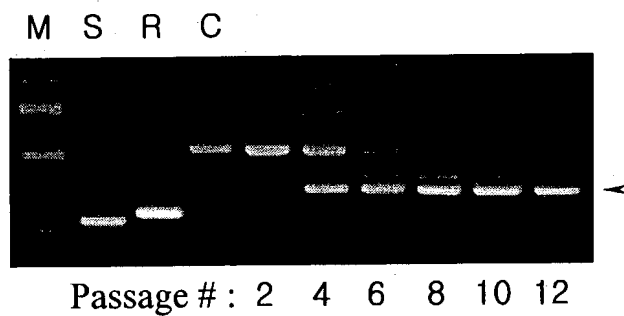


Fig. 5

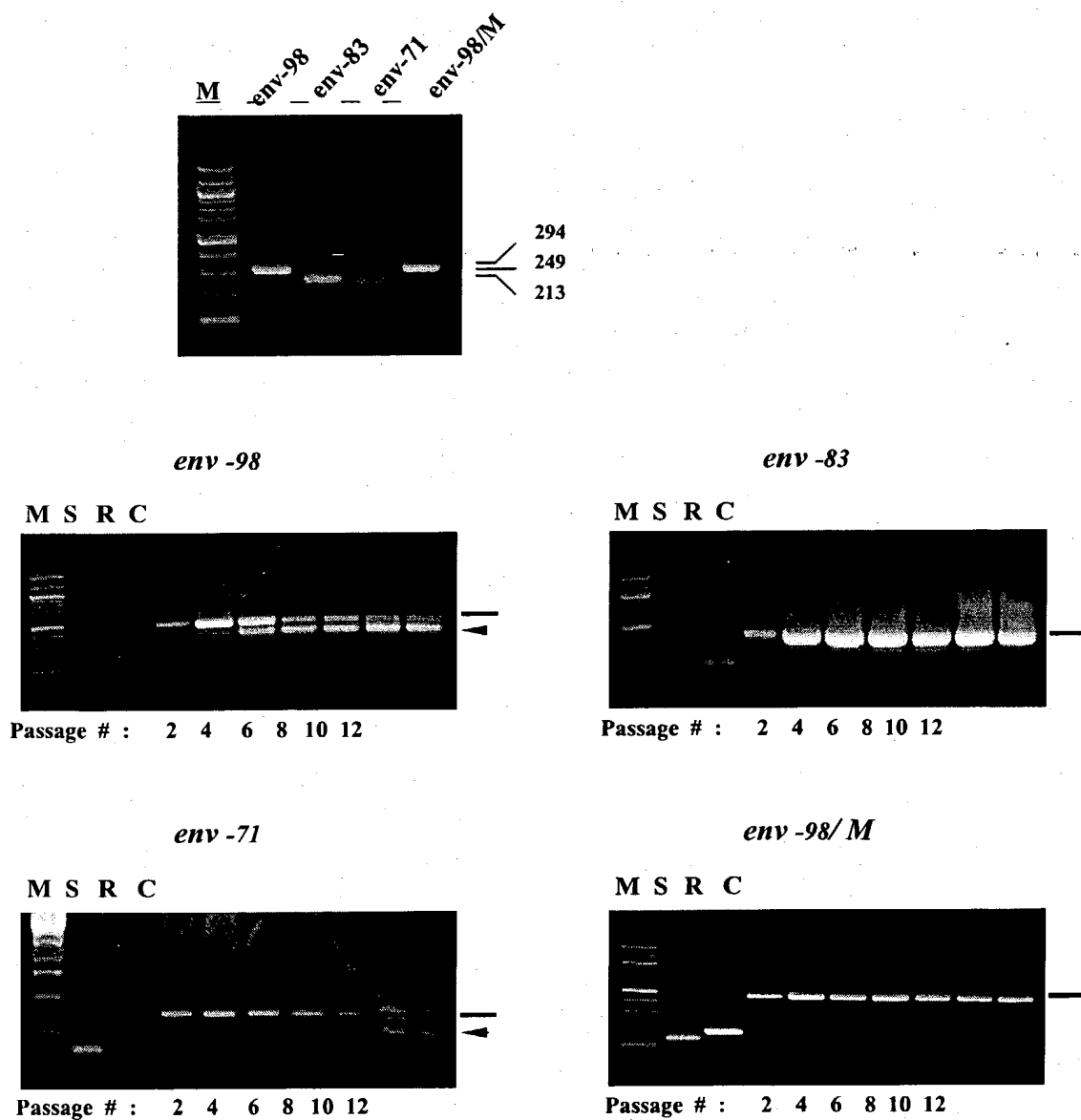


Fig. 4a

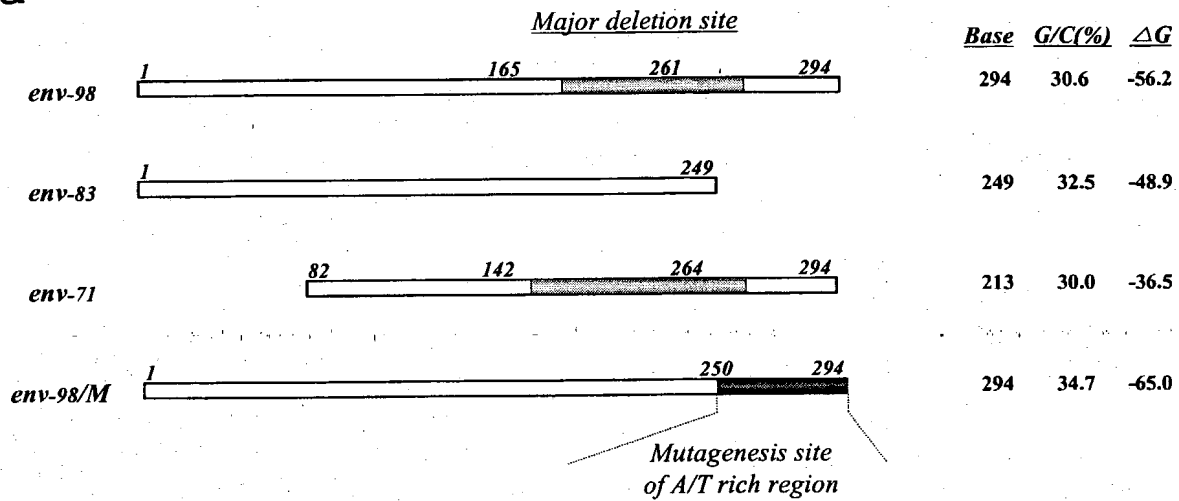


Fig. 4b

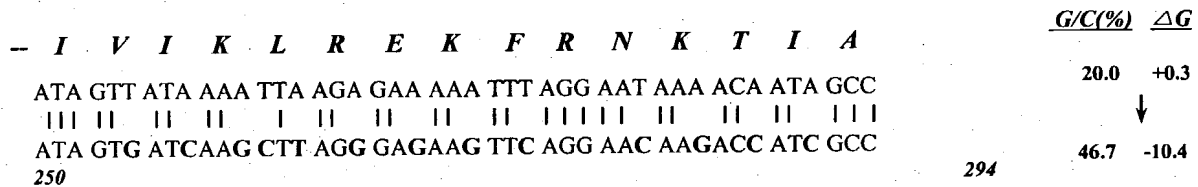


Fig. 4c

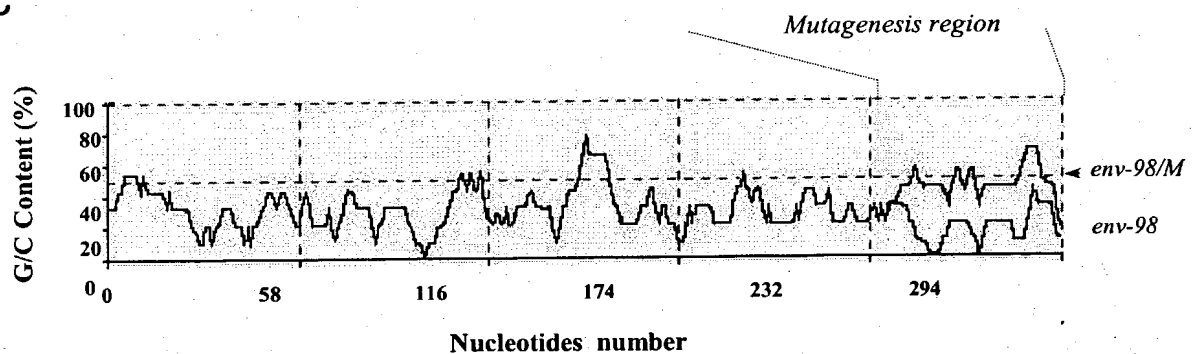


Fig. 6a

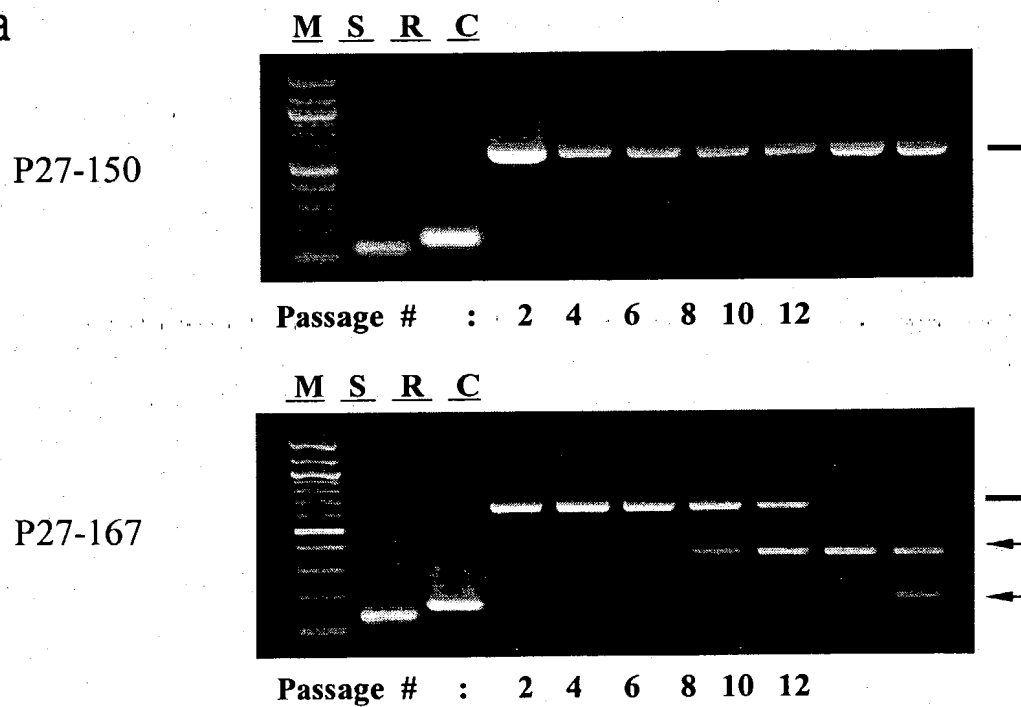


Fig. 6b

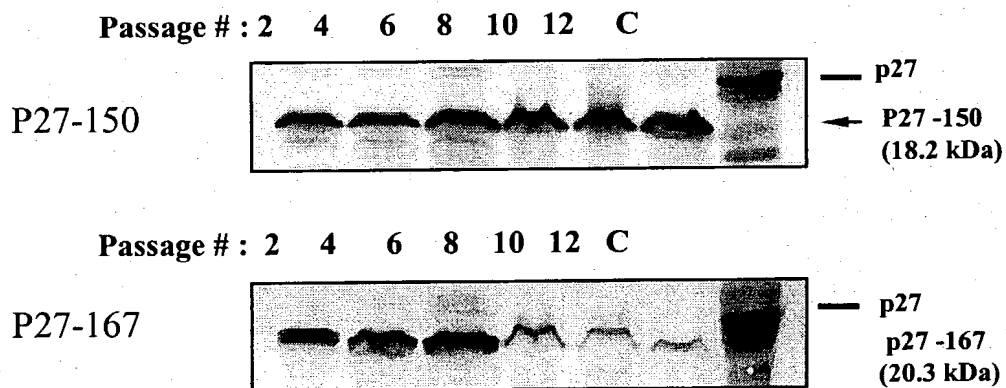


Fig. 7

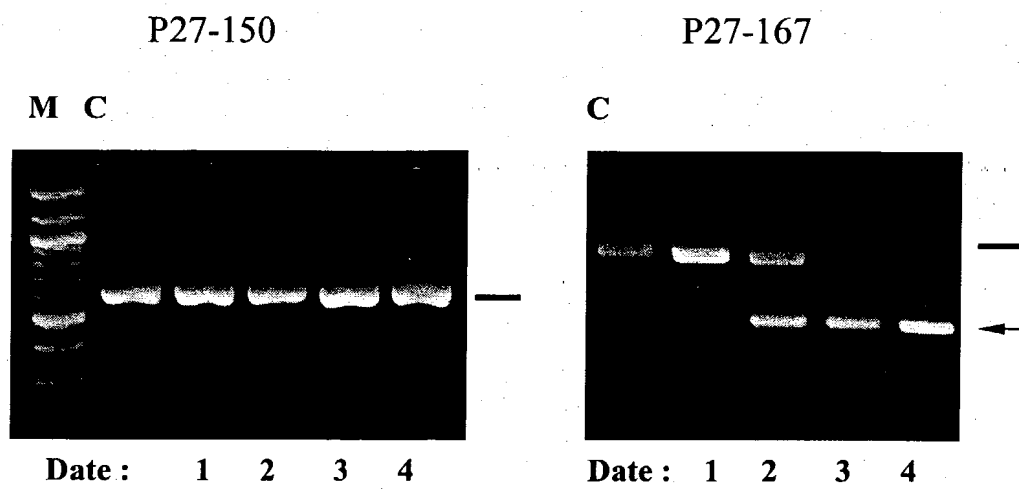


Fig. 8

1	A K A V A A W T L K A A A G Q	15
1	GCT AAG GCC GTT GCA GCC TGG ACC CTG AAA GCC GCT GCA GGC CAA	45
16	A S T E G D C G C P A I I E V	30
46	GCC TCC ACC GAA GGC GAC TGC GGT TGC CCA <u>GCC ATC ATC GAG GTC</u>	90
	GCC ATT ATT GAA GTG	
31	<u>D N D A P T K R A S K L</u> F S E	45
91	<u>GAT AAC GAT GCC CCT ACC AAG CGA GCC AGC AAG CTC</u> TTC AGC GAA	135
	GAT AAT GAT GCT CCA ACA AAG CGT GCC AGT AAA TTA	
46	F E V D <u>N E Q P T T R A Q K</u> L	60
136	TTC GAG GTC GAT <u>AAT GAG CAG CCC ACT ACC CGA GCC CAG AAG</u> CTC	180
	AAT GAA CAA CCA ACC ACC CGG GCA CAG AAA	
61	F A M W R I T Y K <u>D N D A P T</u>	75
181	TTC GCC ATG TGG CGT ATC ACT TAC AAG <u>GAC AAT GAT GCG CCA ACT</u>	225
	GAT AAT GAT GCT CCA ACA	
76	<u>K R A S K L</u> C V R I Y M K P K	90
226	<u>AAG CGC GCA TCT AAA CTG</u> TGC GTC CGA ATC TAC ATG AAG CCC AAG	270
	AAG CGT GCC AGT AAA TTA	
91	H V R C S G C P A I I E V <u>D N</u>	105
271	CAC GTT CGA TGC TCC GGC TGT CCC <u>GCT ATT ATC GAA GTG GAT AAC</u>	315
	GCC ATT ATT GAA GTG GAT AAT	
106	<u>D A P T K R A S K L</u> D N Y Q S	120
316	<u>GAC GCA CCA ACC AAA CGG GCA TCA AAG CTG</u> GAC AAC TAC CAG TCC	360
	GAT GCT CCA ACA AAG CGT GCC AGT AAA TTA	
121	P C A I <u>N E Q P T T R A Q K</u> S	135
361	CCA TGC GCG ATC <u>AAC GAG CAA CCT ACC ACC CGT GCG CAA AAG</u> TCC	405
	AAT GAA CAA CCA ACC ACC CGG GCA CAG AAA	
136	A G C F Y Q T R V V V P S G C	150
406	GCT GGG TGC TTC TAT CAG ACC CGC GTC GTG GTT CCC TCA GGT TGT	450



: Lansing (wt 2 poliovirus) VP1 neutralizing epitopes.

ori - GCC ATT ATT GAA GTG GAT AAT GAT GCT CCA ACA AAG CGT GCC AGT AAA TTA



: Leon (wt 3 poliovirus) VP1 neutralizing epitopes

ori - AAT GAA CAA CCA ACC ACC CGG GCA CAG AAA CTA



: Coding sequence diversity mediated by application of various codon usage.

Fig. 9

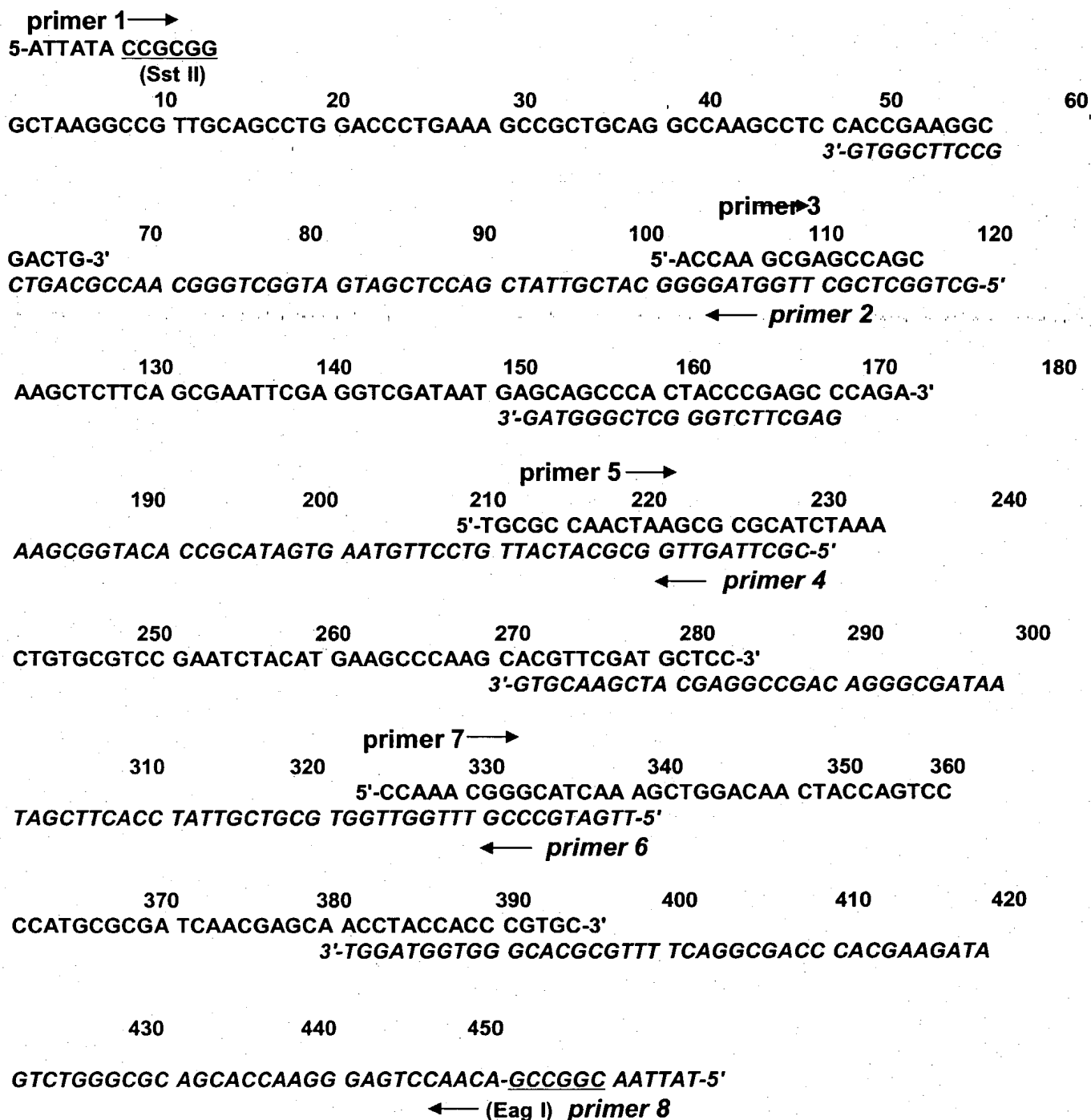


Fig. 10

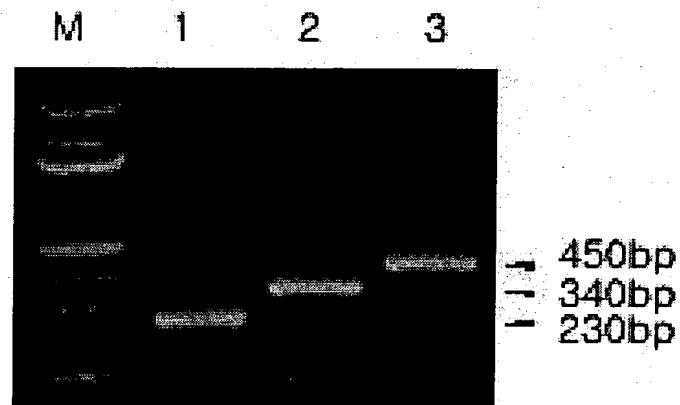


Fig. 11a

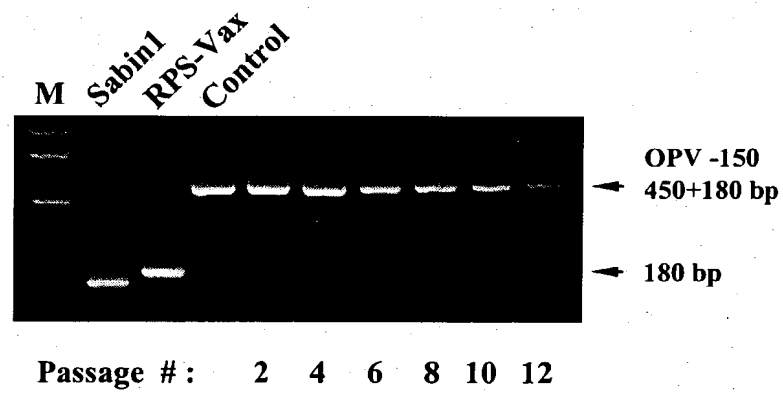


Fig. 11b

